

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of updating Internet access point information in the terminal equipment of a digital mobile communication system, ~~which is capable of~~ comprising:

the terminal equipment establishing a connection ~~to the Internet~~ via the mobile communication system ~~and to one of~~ a number of Internet access points providing access to the Internet, comprising

the terminal equipment storing settings of Internet access points that were used last time to access the Internet ~~in the terminal equipment,~~

the terminal equipment storing system information ~~in the terminal equipment~~ on the mobile communication network or on part of the mobile communication network used to access the Internet last time,

the terminal equipment receiving broadcast system information on the mobile communication network or on part of the mobile communication network in the current location of the terminal equipment,

the terminal equipment comparing said received system information with said stored system information,

the terminal equipment starting a procedure for updating the stored Internet access point settings of the terminal equipment with Internet access point settings recommended for the currently used mobile communication network or for part of the mobile communication network, ~~if it is noted~~ the terminal equipment notes, on the basis of said stored and received system information, that the mobile communication network or part of the mobile communication network has changed.

2. (Currently Amended) A method as claimed in claim 1, comprising the terminal equipment carrying out said comparison only when a new Internet transaction is started, and

the terminal equipment carrying out said updating procedure before setting up a call to the Internet access point via the mobile communication system, if ~~it is noted~~ the terminal equipment notes, on the basis of said stored and received system information, that the mobile communication network or part of the mobile communication network has changed.

3. (Currently Amended) A method as claimed in claim 1, wherein said updating procedure comprises

the terminal equipment requesting Internet access point settings from the Internet service provider's server via the mobile communication system, said request comprising system information identifying the current mobile communication system of the terminal equipment or part of the mobile communication system,

receiving said request at said server

selecting in said server on the basis of system information included in said request Internet access point settings suitable for the current location of the terminal equipment,

sending selected settings from said server via the mobile communication network to the terminal equipment,

receiving selected settings in the terminal equipment, and

updating Internet access point settings of the terminal equipment with said selected settings.

4. (Currently Amended) A method as claimed in claim 1, wherein said updating procedure comprises

the terminal equipment sending a message requesting Internet access point settings to a message service centre, which has an access to the Internet network, said message comprising system information identifying the current mobile communication network of the terminal equipment or part of the mobile communication network,

receiving said message in said message centre,

sending a request for Internet access point settings from the message centre to the Internet service provider's server by using protocols of the Internet network, said request comprising system information identifying the current mobile communication network of the terminal equipment or part of the mobile communication network,

receiving said request in said server,

selecting in said server on the basis of system information included in said request Internet access point settings suitable for the current location of the terminal equipment,
sending a response including the selected settings from said server to the message service centre by using protocols of the Internet network,
receiving said message in the terminal equipment, and
updating Internet access point settings of the terminal equipment with said selected settings.

5. (Currently Amended) A method as claimed in claim 1, wherein said updating procedure comprises

the terminal equipment sending a message requesting Internet access point settings to a message service centre, which has an access to the Internet network, said message comprising system information identifying the current mobile communication network of the terminal equipment or part of the mobile communication network,

receiving said message in said short message service centre,

retrieving the World Wide Web (WWW) page including Internet access point settings from the Internet network by using protocols of the Internet network as a response to said message sent by the mobile station,

selecting Internet access point settings suitable for the location of the mobile station from the received WWW page on the basis of said system information,

sending a message including said selected settings from the message service centre to the terminal equipment,

receiving said message in the terminal equipment, and

updating Internet access point settings of the terminal equipment with said selected settings.

6. (Currently Amended) A method as claimed in claim 1, comprising the mobile communication network or part of the network broadcasting messages including information on settings of the recommended Internet access point to ~~all~~ the terminal equipment of the mobile communication network or part of it,

the terminal equipment updating stored Internet access point settings of the terminal equipment with Internet access point settings included in said broadcast message, if it is ~~noted~~ the terminal equipment notes, on the basis of stored and received system information,

that the mobile communication network or part of the mobile communication network has changed.

7. (Previously Presented) A method as claimed in claim 1, wherein said system information is one of the following: country code, operator name, operator code, network name, network code, location area identifier.

8. – 12. (Cancelled)

13. (Currently Amended) Terminal equipment of a digital mobile communication system, said terminal equipment comprising

~~which is capable of~~ means for establishing a connection ~~to the Internet network~~ via a mobile communication system and to one of a number of Internet access points providing access to the Internet, and which comprises

a memory in which Internet access point settings used last time to access the Internet are stored, ~~the terminal equipment comprising~~

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,

means for comparing said received system information with said stored system information, and

updating means for starting the procedure for updating stored Internet access point settings of the terminal equipment with settings of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted on the basis of the stored and received system information that the mobile communication network or part of the mobile communication network has changed.

14. (Currently Amended) Terminal equipment ~~as claimed in claim 13, wherein of~~ a digital mobile communication system, said terminal equipment comprising:

means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,

~~said means of comparison start~~ means for comparing said received system information with said stored system information in response to initiation of a new Internet transaction, and

~~said updating means are~~ responsive to said means of comparison to carry out said updating procedure before setting up a call via the mobile communication system to an Internet access point, if ~~it is noted~~ the terminal equipment notes on the basis of said stored and received information that the mobile communication network or part of the mobile communication network has changed.

15. (Currently Amended) Terminal equipment ~~as claimed in claim 13, wherein said updating means comprise~~ of a digital mobile communication system, said terminal equipment comprising:

means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,

means for comparing said received system information with said stored system information, and

updating means for starting the procedure for updating stored Internet access point settings of the terminal equipment with settings of the Internet access point recommended for the currently used mobile communication network, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of the mobile communication network has changed, said updating means in the terminal equipment further including

i) means for requesting Internet access point settings from the Internet service provider's server via the Internet, said request comprising system information identifying the current mobile communication network or part of the mobile communication network of the terminal equipment, and

ii) means for receiving a response including requested settings from the server via the mobile communication system, and for updating Internet access point settings of the terminal equipment with the received settings.

16. (Currently Amended) Terminal equipment as ~~claimed in claim 13, wherein~~ said updating means comprise of a digital mobile communication system, said terminal equipment comprising:

means for establishing a connection via a mobile communication system to one of a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

means for receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,

means for comparing said received system information with said stored system information, and

updating means for starting the procedure for updating stored Internet access point settings of the terminal equipment with setting of the Internet access point recommended for

the currently used mobile communication network or for part of the mobile communication network, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of the mobile communication network has changed, said updating means in the terminal equipment further including

i) means for sending a short message requesting Internet access point settings to the message service centre, which has an access to the Internet network, said message containing system information identifying the current mobile communication network or part of the mobile communication network of the terminal equipment, and

ii) means for receiving a message containing the requested settings from the message centre, and for updating Internet access point settings of the terminal equipment with the received settings.

17. (Currently Amended) Terminal equipment as claimed in claim 13, wherein the terminal equipment comprises means for receiving broadcast messages containing information on the settings of the recommended Internet access point, and that wherein

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said updating means are responsive to means of comparison for updating stored Internet access point settings of the terminal equipment with Internet access point settings included in said broadcast message, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of it has changed.

18. (Previously Presented) Terminal equipment as claimed in claim 13, wherein said system information is one of the following: country code, operator's name, operator code, name of the network, network code, location area identifier.

19. (Currently Amended) A digital mobile communication system, comprising a message service and a terminal equipment capable of establishing a connection ~~to the Internet network~~ via a mobile communication system ~~[[and]]~~ to a number of Internet access points providing access to the Internet, wherein the mobile communication system is ~~arranged~~ configured to broadcast to the terminal equipment messages including settings of at least one local Internet access point, which is recommended to be used in part of the mobile communication system in question.

20. (Currently Amended) Terminal equipment of a digital mobile communication system, comprising:

a connectivity ~~to the Internet network~~ via a mobile communication system ~~[[and]]~~ to a number of Internet access points providing access to the Internet,

a memory in which Internet access point settings used last time to access the Internet are stored,

a memory in which system information identifying the mobile communication network or part of the mobile communication network used last time to access the Internet is stored,

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a receiver receiving broadcast system information on the mobile communication network or part of the mobile communication network of the current location of the terminal equipment,

a comparator comparing said received system information with said stored system information, and

a controller starting a procedure for updating stored Internet access point settings of the terminal equipment with settings of the Internet access point recommended for the currently used mobile communication network or for part of the mobile communication network, if it is noted, on the basis of the stored and received system information, that the mobile communication network or part of the mobile communication network has changed.
